

**KU BIOENGINEERING
GRADUATE PROGRAM**
The University of Kansas

Master of Science in Bioengineering
Track: Computational Bioengineering

Students entering SP17 to present

Track Director: Suzanne Shontz, Ph.D. (shontz@ku.edu)

CORE	6 hours required
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CPE 756	Intro to Bioengineering (3)
BIOE 800	Bioengineering Colloquium (.5) (2 total hours req)
BIOE 801	Responsible Conduct of Research in Engineering (1)

DEPTH	9 hours minimum
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REQUIRED COURSE

EECS 730	Introduction to Computational Bioengineering (3)
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ELECTIVE COURSES (2 min)

Choose appropriate courses with advisor from the following list:

EECS 647	Introduction to Database Systems (3)
EECS 649	Introduction to Artificial Intelligence (3)
EECS 700	Special Topics in Computational Bioengineering (1-5)
EECS 718	Graph Algorithms (3)
EECS 737	Computational Genomics (3)
EECS 738	Machine Learning (3)
EECS 739	Scientific Parallel Computing (3)
EECS 740	Image Processing (3)
EECS 749	Knowledge Based Systems (3)
EECS 767	Information Retrieval (3)
EECS 775	Visualization (3)
EECS 833	Neural Networks and Fuzzy Systems (3)
EECS 835	Protein Computational Bioengineering (3)
EECS 837	Data Mining (3)

or other EECS course approved by committee.

BREADTH	9 hours minimum
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Choose appropriate courses from the Master Breadth Course List.

RESEARCH	6 hours minimum
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BIOE 899	Independent Investigation (Thesis)
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These hours are taken under your advisor/committee chair.

MINIMUM HOURS REQUIRED FOR DEGREE: 30